

ABSTRACT OF THE DISCLOSURE

In regenerating a filter there are performed a first additional fuel injection involving additional injection of fuel into a cylinder after a main fuel injection in an engine to raise the temperature of an oxidation catalyst and a second additional fuel injection involving fuel injection after the first additional fuel injection to supply the oxidation catalyst with the fuel, a second additional fuel injection quantity is set in accordance with an engine speed and an engine load and is changed in accordance with an outlet temperature of the oxidation catalyst.